WHAT IS CLAIMED IS:

A coordinate input apparatus comprising:

a coordinate plate having a plurality of pieces of coordinate information each corresponding to an X-coordinate value and a plurality of pieces of coordinate information each corresponding to a Y-coordinate value, said plurality of pieces of coordinate information are independently and intermittently recorded on said coordinate plate;

input-indicating means for indicating a position of the coordinate plate to be input and for detecting coordinate information in the vicinity of the position; and

processing means for determining X-coordinate values and Y-coordinate values from the coordinate information detected by said input-indicating means and for determining the coordinate of the input position on the basis of the X-coordinate values and Y-coordinate values.

- 2. An apparatus according to Claim 1, wherein the coordinate information comprises a dot array, at least one part of said dot array corresponding to X-coordinate values being different from another part of said dot array corresponding to Y-coordinate values.
 - 3. An apparatus according to Claim 2, wherein said dot

array of the coordinate information is formed of a plurality of rows and a plurality of columns.

- 4. An apparatus according to Claim 2, wherein said dot array of the coordinate information has an L-shaped arrangement.
- 5. An apparatus according to any one of Claims 2 to 4, wherein said dot array of the coordinate information has an arrangement wherein dots are formed with predetermined intervals.
- 6. An apparatus according to Claim 1, further comprising a display apparatus formed as an input-output integrated type.
- 7. An apparatus according to Claim 6, wherein said coordinate plate and said display apparatus are formed with a space therebetween.
- 8. An apparatus according to Claim 6, wherein said coordinate plate and said display apparatus are disposed close to each other and said coordinate plate also serves as a part of said display apparatus.

- 9. An apparatus according to Claim 6, wherein said plurality of pieces of coordinate information are recorded on said coordinate plate so as to be positionally related to a plurality of display pixels forming display images of said display apparatus.
- An apparatus according to Claim 9, wherein the plurality of pieces of coordinate information are recorded so as to be located between said plurality of display pixels.
- 11. A method of inputting a coordinate into a coordinate input apparatus having a coordinate plate with a plurality of pieces of X-coordinate information and a plurality of pieces of Y-coordinate information recorded thereon and input-indicating means for indicating a position to be input, the method comprising the steps of:

reading image information from the coordinate plate by the input-indicating means;

extracting first coordinate information from the read image information;

determining coordinate values in the X- or Y-axis in the first coordinate information using the extracted first coordinate information;

extracting second coordinate information using the read image information;

determining coordinate values in the X- or Y-axis in the second coordinate information using the extracted second coordinate information;

determining coordinate values of the input position indicated by the input-indicating means in the X- and Y-axes on the basis of the coordinate values in the first coordinate information and the coordinate values in the second coordinate information; and

inputting the determined coordinate values of the input position in the X- and Y-axes.

12. A method of inputting a coordinate into a coordinate input apparatus having a coordinate plate with a plurality of pieces of X-coordinate information and a plurality of pieces of Y-coordinate information recorded thereon and input-indicating means for indicating a position to be input, the method comprising the steps of:

reading image information from the coordinate plate by the input-indicating means;

extracting first coordinate information located in a central region of the image information read;

determining coordinate values in the X- or Y-axis in the first coordinate information from the extracted first coordinate information;

estimating the position of second coordinate

information to be extracted from the first coordinate information;

determining coordinate values in the X- or Y-axis in the second coordinate information using the extracted coordinate information;

determining coordinate values of the position to be input indicated by the input-indicating means in the X- and Y-axes on the basis of the determined coordinate values in the first coordinate information and the determined coordinate values in the second coordinate information; and

inputting the coordinate values of the input position in the X- and Y-axes.

13. A coordinate input apparatus comprising:

a coordinate plate having a plurality of pieces of coordinate information recorded thereon which correspond to X-coordinate values and/or Y-coordinate values in a coordinate input effective region forming an X-Y coordinate plane; and

input-indicating means comprising means for detecting the coordinate information of said coordinate plate,

wherein said coordinate plate has a layered structure comprising a plurality of layers deposited in a thickness direction, the coordinate information being stored between the layers of said layered structure.

14. A coordinate input-output apparatus comprising:

a coordinate plate having a plurality of pieces of coordinate information recorded thereon which correspond to X-coordinate values and/or Y-coordinate values in a coordinate input effective region forming an X-Y coordinate plane;

input-indicating means comprising means for detecting the coordinate information on said coordinate plate,

wherein said coordinate plate has a layered structure comprising a plurality of layers deposited in a thickness direction, the coordinate information being stored between the layers of said layered structure; and

displaying means disposed so as to oppose said coordinate plate and being capable of displaying two-dimensional images.

15. A coordinate input-output apparatus comprising:
displaying means capable of displaying two-dimensional
images;

a coordinate plate having a plurality of pieces of coordinate information recorded thereon which correspond to X-coordinate values and/or Y-coordinate values in a coordinate input effective region forming an X-Y coordinate plate; and

input-indicating means comprising means for detecting the coordinate information of said coordinate plate,

wherein a surface of said coordinate plate having the coordinate information recorded thereon opposes and is bonded to a surface of said displaying means.

- 16. An apparatus according to Claim 14 or 15, wherein the coordinate information is recorded to be positionally related to a plurality of display pixels forming display images of said displaying means.
- 17. An apparatus according to Claim 13, wherein the coordinate information is independently and intermittently recorded on said coordinate plate.
- 18. An apparatus according to Claim 16, wherein the coordinate information is independently and intermittently recorded on said coordinate plate.
 - 19. A coordinate input apparatus comprising:
- a coordinate plate having a plurality of pieces of coordinate information recorded thereon;

input-indicating means for indicating a position to be input on said coordinate plate and for detecting coordinate information in the vicinity of the position; and

processing means for determining the coordinate of the position indicated by said input-indicating means from coordinate values in the coordinate information detected by said input-indicating means.

- 20. An apparatus according to Claim 19, further comprising a display apparatus formed as an input-output integrated type.
- 21. An apparatus according to Claim 20, wherein the plurality of pieces of coordinate information are recorded on said coordinate plate so as to be positionally related to a plurality of display pixels forming display images of said display apparatus.
- 22. An apparatus according to Claim 21, wherein the plurality of pieces of coordinate information are recorded so as to be located between said plurality of display pixels.
- 23. A coordinate input-output unit of a coordinate input apparatus which inputs a coordinate using a coordinate reading device, said unit comprising;

a coordinate plate having a plurality of pieces of coordinate information recorded thereon, which are read by said coordinate reading device; and

a display apparatus integrated with said coordinate plate together,

wherein the coordinate information is recorded on said coordinate plate on the basis of the arrangement of a plurality of display pixels forming display images of said display apparatus.

- 24. A unit according to Claim 23, wherein the coordinate information is recorded so as to be located between the display pixels.
- 25. A coordinate plate of a coordinate input apparatus which inputs a coordinate using a coordinate reading device, said coordinate plate comprising:
- a plurality of pieces of coordinate information corresponding to X-coordinate values; and
- a plurality of pieces of coordinate information corresponding to Y-coordinate values,

wherein the respective plurality of pieces of coordinate information corresponding to X-coordinate values and corresponding to Y-coordinate values are independently and intermittently recorded.

26. A coordinate plate according to Claim 25, further comprising a display apparatus which is integrated with said

coordinate plate, wherein

the plurality of pieces of coordinate information are recorded on said coordinate plate so as to be positionally related to a plurality of display pixels forming display images of said display apparatus.

- 27. A coordinate plate according to Claim 26, wherein the coordinate information is recorded so as to be located between said display pixels.
- 28. A coordinate plate according to Claim 25, wherein the coordinate information comprises a dot array, and at least one part of said dot array corresponding to X-coordinate values is different from another part of said dot array corresponding to Y-coordinate values.